

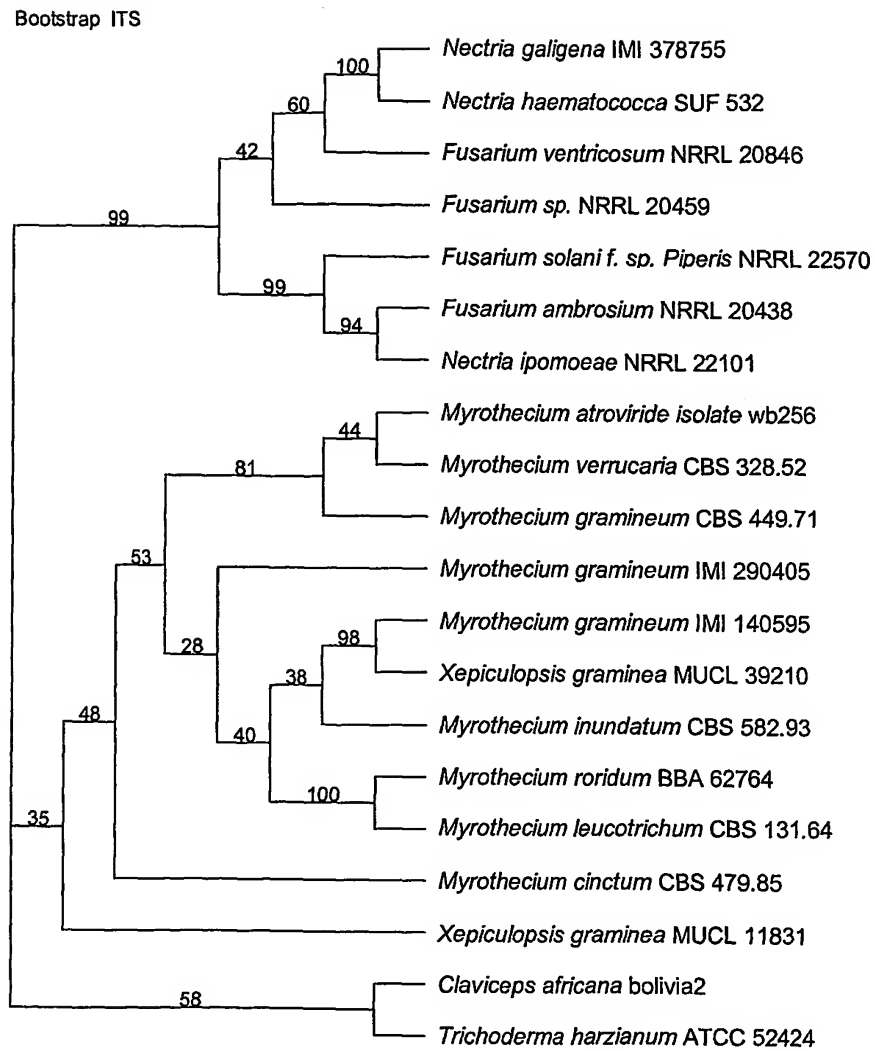
Fig. 1

FIG. 2 (SEQ ID NO 32)

5' GCC GTC GAG CAC TCC GAC GTC GAG ATC GTT GCC GTC AAC GAC CCC TTC ATT GAG

A V E H S D V E I V A V N D P F I E

63 72 81 90 99 108
CCC AAG TAC GCT GTA AGT GCT GCT TCT GCT TCC CCT CAG TCG ACG AGC GAG CCC

P K Y A (SEQ ID No 33)

117 126 135 144 153 162
AAA GCC GAG CTG CAG CTA GCG GAG CCA TGC GCT GCC TGC ATG CCA CTG CAT AAC

171 180 189 198 207 216
AGC AGC TAG AGG AGG GGT ACA CGG CCG CGC GCG CAG ACA CAC ATA CAA CAC CAC

225 234 243 252 261 270
CAC CAC CAA AAG GAG GGG CAG AAA AAA TCC AGC ATT GTC CGA TTT CAC CCC ACC

279 288 297 306 315 324
ATC TCA CGT CAA CCA ATT TGC CCC TCC ATG ATA TCA TGT GTC CGC GCC CAG CTC

333 342 351 360 369 378
AAC ACG TCC ACC TCC TCT GGC CAA TGG CGA GCG CAT TGA TGC TTT GAT GAG CGG

387 396 405 414 423 432
AAA CGA CGC TGA GGC CCT CAG CCT CGT CGT CGC TGC CGC TGC CGC CGC GCG CCG

441 450 459 468 477 486
CTC ACG CAT CGG CGG GCT CCC GTC GCT GGG CTT CAA TTG ACA TGA CAT GAT GCA

495 504 513 522 531 540
TGG CCA CCG TGC TAA CCA CCC CTG TGT CTG TCC GAT AGG CCT ACA TGC TCA AGT

A Y M L K Y

549 558 567 576 585 594
ATG ACT CTA CCC ACG GTC TCT TCA AGG GTG AGG TCA CCG TCG ATG GCG ATG ACC

D S T H G L F K G E V T V D G D D L

FIG. 2 (continuation)

```
      603      612      621      630      639      648
TGA CCG TCA ACG GCA AGA AGG TCC GCT TCT ACA CTG AGC GTG ACC CCG CCG CCA
-----
  T   V   N   G   K   K   V   R   F   Y   T   E   R   D   P   A   A   I

      657      666      675      684      693      702
TCC CCT GGA AGG AGA CTG GTG CCG AGT ACA TTG TCG AGT CCA CCG GTG TCT TCA
-----
  P   W   K   E   T   G   A   E   Y   I   V   E   S   T   G   V   F   T

      711      720      729      738      747      756
CCA CCA AGG ACA AGG CTG CTG CTC ACC TGA AGG GTG GTG CCA AGA AGG TCA TCA
-----
  T   K   D   K   A   A   A   H   L   K   G   G   A   K   K   V   I   I

      765      774      783      792      801      810
TCT CTG CCC CCT CTG CCG ATG CCC CCA TGT ACG TTA TGG GTG TCA ACG AGG AGA
-----
  S   A   P   S   A   D   A   P   M   Y   V   M   G   V   N   E   E   T

      819      828      837      846
CCT ACG ACG GCA GCG CCG ACG TCA TCT CCA ACG CTT CTT G 3'
-----
  Y   D   G   S   A   D   V   I   S   N   A   S   (SEQ ID No 34)
```

Fig. 3

MUCL11831	GINGFGRIGRIVFRNAVEHPDIEIVAVNDPFIETKYA/AYMLKYDSTHGLFKGEVEADGAD	
CBS449.71	GINGFGRIGRIVFRNAVEHDDVEIVAVNDPFIETPKYA/AYMLKYDSTHGLFKGEVSVGDAD	
IMI290405	GINGFGRIGRIVFRNAVEHSDVEIVAVNDPFIETTYA/AYMLKYDSTHGVFKGEVTVGDAD	
MUCL39210	-----AVEHSDVEIVAVNDPFIETPKYA/AYMLKYDSTHGLFKGEVTVGDGD	
	**** *:*****. ** *****:***** ** *	
MUCL11831	LSVNGKKVRFYTERDPASIPWKETGAEYIVESTGVFTTTDKAKAHLAGGAKKVII SAPSA	
CBS449.71	LTVNGKKVRFYTERDPAAIPWKETGAEYIVESTGVFTTKDAAAHLKGGAKKVII SAPSA	
IMI290405	LTVNGKKVRFYTERDPAAIPWKETGADYIVESTGVFTTKDAAAHLKGGAKKVII SAPSA	
MUCL39210	LTVNGKKVRFYTERDPAAIPWKETGAEYIVESTGVFTTKDAAAHLKGGAKKVII SAPSA	
	*:*****:*****:*****. ** ** *****	
MUCL11831	DAPMYVMGVNEKTYDGSADVISNASCTTNCLAPLAKVLNDKYTII EGLMTTVHSYTATQK	
CBS449.71	DAPMYVMGVNEETDGSADVISNASCTTNCLAPLAKVIHDKFTII EGLMTTVHSTLP PRR	
IMI290405	DAPMYVMGVNEETDGSADVISNASCTTNCLAPLAKVIHDKFTII EGLMTTVHSYTATQK	
MUCL39210	DAPMYVMGVNEETDGSADVISNAS-----	
	*****:*****	
MUCL11831	TVDGPSAKDWRGGRGAAQNIIP TT	(SEQ ID No 35)
CBS449.71	PLTVPPPTGAVAVVLPRTSSPAA	(SEQ ID No 36)
IMI290405	TVDGPSAKDWRGGRGAAQNIIP ST	(SEQ ID No 37)
MUCL39210	-----	(SEQ ID No 27)

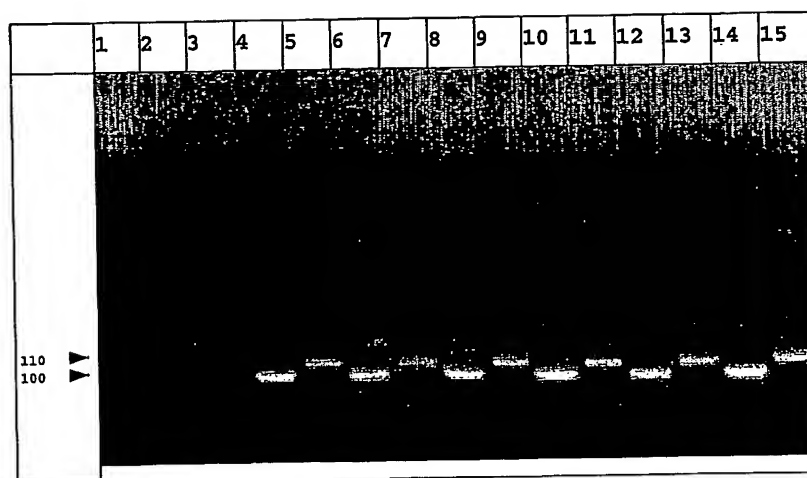
FIG. 4

Fig. 5 A

28s rDNA sequence of the strain MUCL39210 (SEQ ID NO 7)

CAGGGATTGCCTCAGTAACGGCGAGTGAAGCGGCAACAGCTCAAATTTGAAATCTGGCC
CCCCGGCCCCGAGTTGTAATTTGCAGAGGATGCTTTTGGCGAGGTGCCTTCCGAGTTCCC
TGGAACGGGACGCCATAGAGGGTGAGAGCCCCGTCTGGTCGGACACCGAGCCTCTGTAA
AGCTCCTTCGACGAGTCGAGTAGTTTGGGAATGCTGCTCAAATGGGAGGTATATGTCT
TCTAAAGCTAAATATTGGCCAGAGACCGATAGCGCACAAAGTAGAGTGATCGAAAGATGA
AAAGCACTTTGAAAAGAGAGTTAAACAGCACGTGAAATTGTTAAAAGGGAAGCGTTTAT
GACCAGACTTGGCCCCGTTGATCATCCAGCGTTCTCGCTGGTGCACTCTGCCGGTCCAG
GCCAGCATCAGTTCGTTCGCGGGGGATAAAGGTTTCGGGAATGTGGCTCCTCCGGGAGTG
TTATAGCCCGTTGCGTAATACCCTGCGGTGGACTGAGGTCCGCGCTTCTGCAAGGATGC
TGGCGTAATGGTCATCAACGACCCGTCTTGAAACACGGACCAAGGAGTCGTCTTCGTAT
GCGAGTGTTTCGGGTGTAAAACCCCTACGCGTAATGAAAGTGAACGCAGGTGAGAGCTTC
GGCGCATCATCGACCGATCCTGATGTTCTCGGATGGATTTGAGTAAGAGCATACGGGGC
CGGACCCGAAAGAAGGTGAACTATGCCTGTATAGGGTGAAGCCAGAGGAACTCTGGTG
GAGGCTCGCAGCGGTTCTGACGTGCAAATCGATCGTCAAATATGGGCATGGGGGCGAAA
GACTAATCGAACCTTCTAGTAGCTGGTTTCCGCCGAAGTTTCCCTCAGGATAGCAGTGT
TGAACTCAGTTTTATGAGGTAAAGCGAATGATTAGGGACTCGGGGGCGCTATTTAGCCT
TCATCCATTCTCAAACCTTTAAATATGTAAGAAGCCCTTGTTACTTAGTTGAACGTGGGC
ATTCTGAATGTATCAACACTAGTGGGCCATTTTTGGTAAGCAGAACTGGC

Fig. 5 B

28s rDNA sequence of the strain MUCL11831 (SEQ ID NO 8)

CAGGGATTGCCTTAGTAACGGCGAGTGAAGCGGCAACAGCTCAAATTTGAAATCTGGAC
CTAGTCCCGAGTTGTAATTTGCAGAGGATGATTTTGGCGCGGTGCCTTCCAAGTTCCCT
GGGACGGGACGCCGGAGAGGGTGAGAGCCCCGTCAGGTTGGACACCAAGCCTATGTAAA
TCTCCTTCGACGAGTCGAGTAGTTTGGGAATGCTGCTCTAAATGGGAGGTATATGTCTT
CTAAAGCTAAATACCGGCCAGAGACCGATAGCGCACAAGTAGAGTGATCGAAAGATGAA
AAGCACTTTGGAAAGAGAGTTAAACAGCACGTGAAATTGTTAAAAGGGAAGCGTTTACG
ACCAGACTTGTGCCGTTGATCATCCAGCGTTCTCGCTGGTGCACTCTGCCGGCCCAGG
CCAGCATCAGTTCGCCGCGGGGATAAAGGCGTCGGGAATGTGGCTCCCCCGGGAGTGT
TATAGCCCTTCGCGCAATACCCTGAGGCGGACTGAGGTTTCGCGCATTTCGCAAGGATGCT
GGCGTAATGGTCGTCAACGACCCGTCTTGAAACACGGACCAAGGAGTCGTCTTCGTATG
CGAGTGTTCCGGTGTA AAAACCCCTACGCGTAATGAAAGTGAACGCAGGTGAGAGCTTCG
GCGCATCATCGACCGATCCTGATGTTCTCGGATGGATTTGAGTAAGAGCATACGGGGCC
GGACCCGAAAGAAGGTGAACTATGCCTGTATAGGGTGAAGCCAGAGGAACTCTGGTGG
AGGCTCGCAGCGGTTCTGACGTGCAAATCGATCGTCAAATATGGGCATGGGGGCGAAAG
ACTAATCGAACCTTCTAGTAGCTGGTTTCCGCCGAAGTTCCCTCAGGATAGCAGTGTT
GAACTCAGTTTTATGAGGTAAAGCGAATGATTAGGGACTCGGGGGCGCTATTTAGCCTT
CATCCATTCTCAAACTTTAAATATGTAAGAAGCCCTTGTTGCTTAATTGAACGTGGGCA
TTCGAATGTATCAACACTAGTGGGCCATTTTTGGTAA

Fig. 5C

28s rDNA sequence of the strain CBS449.71 (SEQ ID NO 9)

CAGGGATTGCCTCAGTAACGGCGAGTGAAGCGGCAACAGCTCAAATTTGAAATCTGGCC
CTAGGCCCCGAGTTGTAATTTGCAGAGGATGCTTTTGGCAAGGTGCCTTCCGAGTTCCCT
GGAACGGGACGCCATAGAGGGTGAGAGCCCCGTCTGGTCGGACACCGAGCCTCTGTAAA
GCTCCTTCGACGAGTCGAGTAGTTTGGGAATGCTGCTCAAAATGGGAGGTATATGTCTT
CTAAAGCTAAATACCGGCCAGAGACCGATAGCGCACAAAGTAGAGTGATCGAAAGATGAA
AAGCACTTTGAAAAGAGAGTTAAATAGCACGTGAAATTGTTGAAAGGGAAGCGTTTATG
ACCAGACTTGGCCCGTTGATCATCCAGCCTTCTGGCTGGTGCACCTCTGCCGGTCCAGG
CCAGCATCAGTTCGTTCGCGGGGGATAAAGGTTTCGGGAATGTAGCTCCTCCGGGAGTGT
TATAGCCCGTTGCGTAATACCCTGCGGTGGACTGAGGTCCGCGCTCTGCAAGGATGCTG
GCGTAATGGTCATCAACGACCCGTCTTGAAACACGGACCAAGGAGTCGTCTTCGTATGC
GAGTGTTTCGGGTGTAAAACCCCTACGCGTAATGAAAGTGAACGCAGGTGAGAGCTTCGG
CGCATCATCGACCGATCCTGATGTTCTCGGATGGATTTGAGTAAGAGCATACGGGGCCG
GACCCGAAAGAAGGTGAACTATGCCTGTATAGGGTGAAGCCAGAGGAACTCTGGTGGAA
GGCTCGCAGCGGTTCTGACGTGCAAATCGATCGTCAAATATGGGCATGGGGGCGAAAGA
CTAATCGAACCTTCTAGTAGCTGGTTTCCGCCGAAGTTTCCCTCAGGATAGCAGTGTTG
AACTCAGTTTTATGAGGTAAAGCGAATGATTAGGGACTCGGGGGCGCTATTTAGCCTTC
ATCCATTCTCAAACTTTAAATATGTAAGAAGCCCTTGTTGCTTAATTGAACGTGGGCAT
TCGAATGTA

Fig. 5D

28s rDNA sequence of the strain IMI140595 (SEQ ID NO 10)

CAGGGATTGCCTCAGTAACGGCGAGTGAAGCGGCAACAGCTCAAATTTGAAATCTGGCC
CTAGGCCCCGAGTTGTAATTTGCAGAGGATGCTTTTGGCGAGGTGCCTTCCGAGTTCCCT
GGAACGGGACGCCATAGAGGGTGAGAGCCCCGTCTGGTCCGACACCGAGCCTCTGTAAA
GCTCCTTCGACGAGTCGAGTAGTTTGGGAATGCTGCTCAAAATGGGAGGTATATGTCCTT
CTAAAGCTAAATACCGGCCAGAGACCGATAGCGCACAAAGTAGAGTGATCGAAAGATGAA
AAGCACTTTGAAAAGAGAGTTAAACAGCACGTGAAATTGTTGAAAGGGAAGCGTTTATG
ACCAGACTTGGCCCCGTTGATCATCCAGCGTTCTCGCTGGTGCACTCTGCCGGTCCAGG
CCAGCATCAGTTCGCCGCGGGGGATAAAGGTTTCGGGAATGTGGCTCCTCCGGGAGTG
TATAGCCCGTTGCGTAATACCCTGCGGTGGACTGAGGTCCGCGCTTCTGCAAGGATGCT
GGCGTAATGGTCATCAACGACCCGTCTTGAAACACGGACCAAGGAGTCGTCTTCGTATG
CGAGTGTTCCGGTGTAACCCCTACGCGTAATGAAAGTGAACGCAGGTGAGAGCTTCG
GCGCATCATCGACCGATCCTGATGTTCTCGGATGGATTTGAGTAAGAGCATACGGGGCC
GGACCCGAAAGAAGGTGAACTATGCCTGTATAGGGTGAAGCCAGAGGAACTCTGGTGG
AGGCTCGCAGCGGTTCTGACGTGCAAATCGATCGTCAAATATGGGCATGGGGGCGAAAG
ACTAATCGAACCTTCTAGTAGCTGGTTTCCGCCGAAGTTTCCCTCAGGATAGCAGTGTT
GAACTCAGTTTTATGAGGTAAAGCGAATGATTAGGGACTCGGGGGCGCTATTTAGCCTT
CATCCATTCTCAAACCTTTAAATATGTAAGAAGCCCTTGTTACTTAGTTGAACGTGGGCA
TTCGAATGTATCAACACTAGTGGGCCATTTTTGGT

Fig. 5E

28s rDNA sequence of the strain IMI290405 (SEQ ID NO 11)

CAGGGATTGCCTCAGTAACGGCGAGTGAAGCGGCAACAGCTCAAATTTGAAATCTGGCC
CCCCGGCCCCGAGTTGTAATTTGCAGAGGATGCTTTTGGCAAGGTGCCTTCCGAGTTCCC
TGGAACGGGACGCCATAGAGGGTGAGAGCCCCGTCTGGTCGGACACCGAGCCTCTGTAA
AGCTCCTTCGACGAGTCGAGTAGTTTGGGAATGCTGCTCAAAATGGGAGGTATATGTCT
TCTAAAGCTAAATACCGGCCAGAGACCGATAGCGCACAAGTAGAGTGATCGAAAGATGA
AAAGCACTTTGAAAAGAGAGTTAAATAGCACGTGAAATTGTTGAAAGGGAAGCGTTTAT
GACCAGACTTGGCCCGGTTGATCATCCAGCGTTCTCGCTGGTGCACTCTGCCGGTCCAG
GCCAGCATCAGTTCGTGCGGGGGATAAAGGCTTCGGGAATGTAGCTCTCTTCGGGGAG
TGTTATAGCCCGTTGTGTAATACCCTGCGGTGGACTGAGGTCCGCGCTCTGCAAGGATG
CTGGCGTAATGGTCATCACGACCGTCTTGAAACACGGACCAAGGAGTCGTCTTCGTATG
CGAGTGTTTCGGGTGTAAAACCCCTACGCGTAATGAAAGTGAACGCAGGTGAGAGCTTCG
GCGCATCATCGACCGATCCTGATGTTCTCGGATGGATTGAGTAAGAGCATACGGGGCC
GGACCCGAAAGAAGGTGAACTATGCCTGTATAGGGTGAAGCCAGAGGAACTCTGGTGG
AGGCTCGCAGCGGTTCTGACGTGCAAAATCGATCGTCAAATATGGGCATGGGGGCGAAAG
ACTAATCGAACCTTCTAGTAGCTGGTTTCCGCCGAAGTTCCCTCAGGATAGCAGTGTT
GAACTCAGTTTTATGAGGTAAAGCGAATGATTAGGGACTCGGGGGCGCTATTTAGCCTT
CATCCATTCTCAAACCTTTAAATATGTAAGAAGCCCTTGTTGCTTAATTGAACGTGGGCA
TTCGAATGTATCAACACTAGTGGGCCATTTTTGGTAAGCAG

Fig. 6A

ITS sequence of the strain MUCL39210 (SEQ ID NO 12)

GCGGGACCGCCCCGGCGCCCTCGCGGCCCGGACCCAGGCGCCCGCCGGAGACCCCAAAC
TCTATGTTTTACTGTACATCTCCTCTGAGTGACACATAAAACAATAAAATAAAACTTTTA
ACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATG
TGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCGCCAGTAT
TCTGGCGGGCATGCCTGTTCGAGCGTCATTTCAACCCTCAGGCCCCCAGTGCTTGGCGT
TGGGGATCGGCACCAGGGCGTCCGCGCAAGCGGTCTCCCCGCCGGCCCCGAAATCTAGT
GGCGGTCTCGCTGTAGTCTCCTCTGCGTAGTAGCACAACTCGCAGCTGGAACTCGGC
GGTGGCCCTGCCGTTAAACACCCCACTTCTGA

Fig. 6B

ITS sequence of the strain MUCL11831 (SEQ ID NO 13)

GCGGGCTCAGCCCCCGCGCCCTCGCCGGCGCCGGGAAACAGGCGCCCGCCGGAGACCCA
AACTCAATGTTTTTTCATGCAGTATTATCTGAGTGGCAAACGCAAAAAATAAATCAAAAC
TTTTAACAACGGATCTCTTGGCTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAG
TAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCGCG
AGTATTCTCGCGGGCATGCCTGTCCGAGCGTCATTTCAACCCTCAGGGCCCGCCTGCTT
GCAGGCGCGGCGCTGGTGTGTTGGGGATCGGCCCTAAACCGCCGTCCCCCAAATTCAGTGG
CGGTCTCGCTGCAGCCTCCCCTGCGTAGTAGCAACACTCGCATGCGGAGCGCGGCGCGG
CCACGCCGTAAACCCCCGACTTTCTGAACGTTGACCTCGGATCAG

Fig. 6C

ITS sequence of the strain CBS449.71 (SEQ ID NO 14)

GCGGGACCGCCCCGGCGCCTTCGGGCCCCGGAACCAGGCGCCCGCGGAGGCCCCAAACT
CTTATGTCTTTAGTGGTTTTCTCCTCTGAGTGACACATAAACAAATAAAATAAACTTT
CAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAA
TGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCGCCAGT
ATTCTGGCGGGCATGCCTGTTCTGAGCGTCATTTCAACCCTCAGGCCCCCAGTGCCTGGT
GTTGGGGATCGGCCCAGCCTTCTCGCAAGGCCCGCGGCCCGGAAATCTAGTGGCGGTCT
CGCTGTAGTCCTCCTCTGCGTAGTAGCACAACTCGCAGTTGGAACGCGGCGGTGGCCA
TGCCGTTAAA

Fig. 6D

ITS sequence of the strain IMI140595 (SEQ ID NO 15)

GCGGGACCGCCCCGGCGCCCTCGCGGCCCGGACCCAGGCGCCCGCGGAGCCCCAAAC
TCTATGTTTTACTGTACATCTCCTCTGAGTGACACATAAACAAATAAAATAAACTTTCA
ACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATG
TGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCGCCAGTAT
TCTGGCGGGCATGCCTGTTCTGAGCGTCATTTCAACCCTCAGGCCCCCAGTGCCTGGCGT
TGGGGATCGGCTCAGGGGCGACCGCGCAAGCGGCCGCTTCCCGCGGCCCCGAAATCTA
GTGGCGGTCTCGCTGTAGTCCTCCTCTGCGTAGTAGCACAACTCGCAGCTGGAACGCG
GCGGTGGCCCTGCCGTAAAACACCCCACTTCT

Fig. 6E

ITS sequence of the strain IMI290405 (SEQ ID NO 16)

GCGGGACCGCCCCGGCGCCCTCGGGCCCGGAACCAGGCGCCCGCCGGAGGCCCCAAACC
CTCATGTCTTTAGTGGTTTTCTCCTCTGAGTGACACATAAACAAATAAATAAAAACTTT
CAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAA
TGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCGCCAGT
ATTCTGGCGGGCATGCCTGTTTCGAGCGTCATTTCAACCCTCAGGCCCCCAGTGCCTGGC
GTTGGGGATCGGCAGCAGGGCGTCAAGCCCGCCGGCCCCGAAATCTAGTGGCGGTCTCG
CTGTAGTCCTCCTCTGCGTAGTAGCACAACCTCGCAGTTGGAACGCGGCGGTGGCCATG
CCGTTAAACACCCCACTTCTG

Fig. 7 A

DNA sequence of the *gpd* gene of the strain MUCL11831

GTGGTGGTGGGGATGATGTTCTGGGCAGCGCCACGGCCACCGCGCCAGTCCTTGGCGGA
GGGACCGTCGACGGTCTTCTGGGTGGCAGTGTAGGAGTGGACGGTGGTCATGAGACCCT
CAATGATGGTGTACTTGTCTGTTGAGGACCTTGGCGAGGGGAGCCAGGCAGTTGGTGGTG
CACGAGGCGTTGGAGATGACATCGGCGCTGCCGTCGTAGGTCTTCTCGTTGACGCCCAT
CACGTACATGGGGGCATCGGCGGAGGGGGCGGAGATGATGACCTTCTTGGCACCGCCAG
CAAGGTGAGCCTTGGCCTTGTCTGGTGGTGAAGACACCGGTGGACTCGACAATGTAC
TCGGCGCCGGTCTCCTTCCAGGGGATGGAGGCGGGGTCACGCTCGGTGTAGAAGCGGAC
CTTCTTGCCGTTGACGCTCAGGTCAGCGCCATCGGCCTCGACCTCACCTTGAAGAGAC
CGTGGGTGGAGTCATACTTGAGCATGTAGGCCTAGATGGTGGTCAGCTAAAGCGCTCAT
TTCAAGACAAAGAAAGCAGATGTCAAGGTTGGCGGGAAAAGACGATGGAGGGGCACGGG
TTTGGACATGGTTGCAGGTAGGTGGGGTGCAACGGCCCATGTCATTGCAAGCATGCCAT
GTCGGGTTTTGCCCCCTCGGATTGGATTTCTTTTTTCGCGCCGCATCATGTAAAGTGGGG
GGAGGGGCAGCACTCACGGCGTACTTGGTCTCGATGAAGGGGTCGTTGACGGCGACAAT
CTCAATGTCGGGGTGCTCGACGGCGTTGCGGAAGACGATACGACCGATGCGGCCGAACC
CATTGATCCC

(SEQ ID NO 23)

Fig. 7 B

DNA sequence of the gpd gene of the strain CBS449.71

GTGCAGCTGGGGATGATGTTCTGGGCAGCACCACGGCCACCGCGCCAGTCCTTGGCGGA
GGGACCGTCAACGGTCTTCTGGGTGGCAGTGTAGAGTGGACGGTGGTCATGAGACCCTC
AATGATGGTGAAC TTGTCGTGGATGACCTTGGCGAGGGGAGCCAGGCAGTTGGTGGTGC
AAGAAGCGTTGGAGATGACGTCGGCGCTGCCGTCGTAGGTCTCCTCGTTGACACCCATA
ACGTACATGGGGGCATCGGCGGAGGGAGCAGAGATGATGACCTTCTTGGCACCACCCTT
CAAGTGAGCAGCAGCCTTGTCTTGGTGGTGAAGACACCAGTGGACTCGACGATGTACT
CGGCGCCAGTCTCCTTCCAGGGGATGGCAGCGGGGTGCGGCTCAGTGTAGAAGCGGACC
TTCTTGCCGTTGACAGTGAGGTGGCACCATCGACGGAGACCTCACCCCTGAAGAGACC
GTGGGTAGAGTCATACTTGAGCATGTAGGCCTAGTGAACAGGGGTGGTTAGCGGAATGG
CCGGCAGAGAGAGAGTAATTGCGGCATGACGAGGCGTGGGAGGGAGGAGCAGTCCCTCG
CCATGACGATAGCATTGGCTATTGATTCATTCGCCGCCTTGACAGAGGGCTCGTTGAAC
TGCACCAACGCATGATATCATCATGGAGGGGCAAATATTGACGTGTAATGGTGGGGTGA
ATGGCAGAGTGGTTGCGTTTTTTCTGCCCCCTCACTTGGAGATGGCCGTGTGCGTCTGC
CCCTCGTCTCCCTGCAAGTGCATGGTGGACTGCAGCTCGCTTGCCTAGTTGTTGGCTGA
AGGGAAACAGCACTTACAGCGTACTTGGGCTCAATGAAGGGATCGTTGACGGCAACGAT
CTCGACGTCGTGCTGCTCGACGGCGTTGCGGAAGACGATACGACCAATGCGGCCGAACC
CATTGATCCC

(SEQ ID NO 24)

Fig. 7C

DNA sequence of the *gpd* gene of the strain IMI290405

GTGGTGGAGGGGATGATGTTCTGGGCAGCACACGGCCACCACGCCAGTCCTTGGCGGA
GGGACCATCGACGGTCTTCTGGGTGGCAGTGTAGGAGTGGACAGTGGTCATGAGACCCT
CAATGATGGTGAACTTGTCTGTGAATGACCTTGGCGAGAGGAGCCAGGCAGTTGGTGGTG
CAGGAGGCGTTGGAGATGACGTCGGCGCTGCCGTCTAGGTCTCCTCGTTGACACCCAT
AACGTACATGGGAGCATCAGCAGAGGGGGCAGAGATGATGACCTTCTTGGCACCAACCCT
TCAAGTGAGCAGCGGCCTTGTCTTGGTGGTGAAGACACCGGTGGACTCGACGATGTAG
TCGGCGCCAGTCTCCTTCCAAGGGATGGCAGCGGGTCACGCTCAGTGTAGAAGCGGAC
CTTCTTGCCGTTGACGGTCAGGTCAGCGCCATCGACGGTGACCTCACCTTGAAGACGC
CGTGGGTGGAGTCATACTTGAGCATGTAGGCCTATGCGTGGATGGTGGTGGGAAGCATG
AGTGAATTGGAGGGATTGCGTGAGGGTGATGAAGCATCATTGTGGTGTGTCAATGGGGC
TGTTTCTGCTGCTGCTGCTGGCGGCGGTGTTGGTGGTGGTGACAAAAGAAATTTGTTGAGC
GGGAAAGGGATAGACGGCGGCGCATGATATCATGGAGGGGCAAATATTGACGCGCTGAT
GATAGTGGGGTGATTTTGGAGGCACCTGGTTTTGTCTTTGGTTGCATTTTTTCTGCCC
CTCACTCGGTCCGTCCGTGTCTGCGGCGCGCTCTGCCCCTCCTCTGTCTGCACAGAGT
GCATGCTGGGCTGCAGCCAGCTCCGTTGCCCCTCGCTCGCTCGCTCGCTGCGTGCCTTGTC
CCTTTGGAGCTGAGGGGAAAGAGGTGGGATCGAGATCACAATCAAAGGTTGTACTCAC
AGCGTAGGTGGGCTCAATGAAGGGATCGTTGACGGCAACGATCTCGACGTCGGAGTGCT
CGACGGCGTTGCGGAAGACGATACGACCAATGCGGCCGAACCCATTGATACC

(SEQ ID NO 25)

Fig. 8

Sequence of the *gpd* gene of *Myrothecium gramineum*
(*Xepiculopsis graminea*) MUCL39210 (SEQ ID NO 26)

GCCGTCGAGCACTCCGACGTCGAGATCGTTGCCGTCAACGACCCCTTCATTGAGCCCCAA
GTACGCTGTAAGTGCTGCTTCTGCTTCCCCCTCAGTCGACGAGCGAGCCCCAAAGCCGAGC
TGCAGCTAGCGGAGCCATGCGCTGCCTGCATGCCACTGCATAACAGCAGCTAGAGGAGG
GGTACACGGCCGCGCGCGCAGACACACATAACAACACCACCACCACCAAAAGGAGGGGCA
GAAAAAATCCAGCATTGTCCGATTTACCCCAACCATCTCAGTCAACCAATTTGCCCTT
CCATGATATCATGTGTCCGCGCCCAGCTCAACACGTCCACCTCCTCTGGCCAATGGCGA
GCGCATTGATGCTTTGATGAGCGGAAACGACGCTGAGGCCCTCAGCCTCGTCGTCGCTG
CCGCTGCCGCCGCGCGCCGCTCACGCATCGGCGGGCTCCCGTCGCTGGGCTTCAATTGA
CATGACATGATGCATGGCCACCGTGCTAACCACCCCTGTGTCTGTCCGATAGGCCTACA
TGCTCAAGTATGACTCTACCCACGGTCTCTTCAAGGGTGAGGTCACCGTCGATGGCGAT
GACCTGACCGTCAACGGCAAGAAGGTCCGCTTCTACACTGAGCGTGACCCCGCCGCCAT
CCCCTGGAAGGAGACTGGTGCCGAGTACATTGTGCGAGTCCACCGGTGTCTTACCACCA
AGGACAAGGCTGCTGCTCACCTGAAGGGTGGTGCCAAGAAGGTCATCATCTTGCCCCC
TCTGCCGATGCCCCCATGTACGTTATGGGTGTCAACGAGGAGACCTACGACGGCAGCGC
CGACGTCATCTCCAACGCTTCTTG

Fig. 9

Sequence of the glyceraldehyde 3-P dehydrogenase of
Myrothecium gramineum (*Xepiculopsis graminea*) MUCL39210

AVEHSDVEIVAVNDPFIEPKYAAAYMLKYDSTHGLFKGEVTVDGDDLTVNGKKVRFYTER
DPAAIPWKETGAEYIVESTGVFTTKDKAAHLKGGAKKVIISAPSADAPMYVMGVNEET
YDGSADVISNAS
(SEQ ID NO 27)